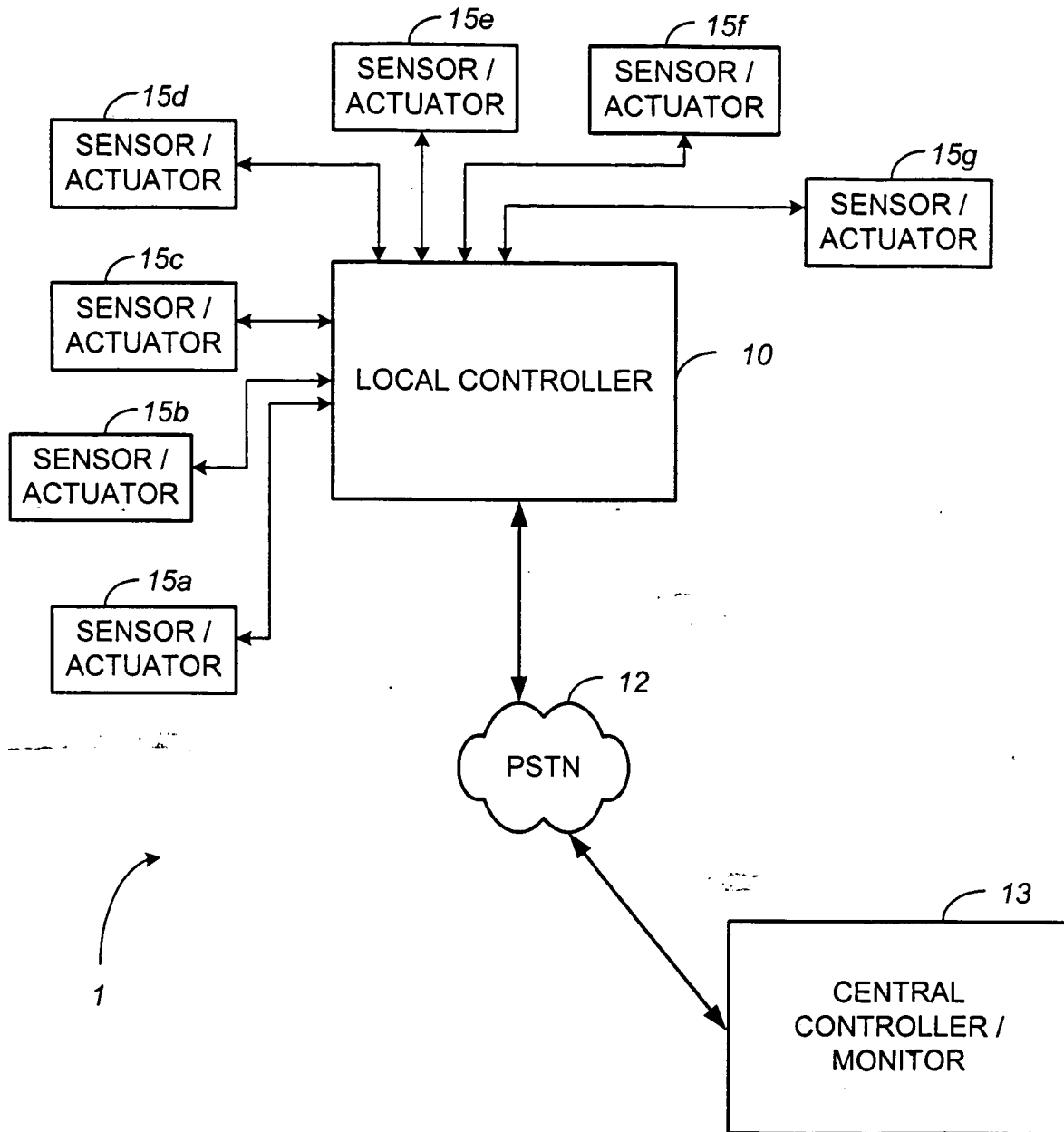
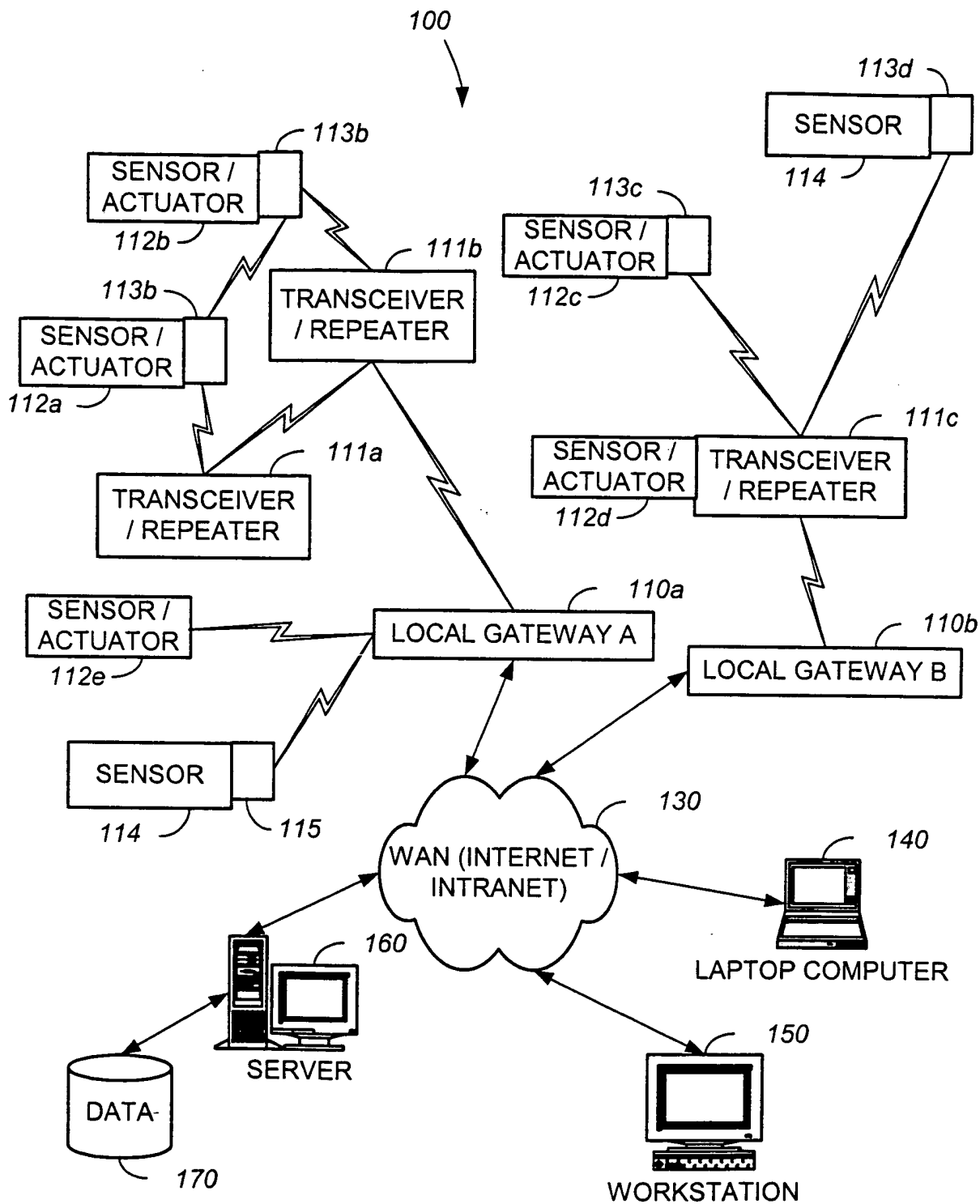


09704150.110100

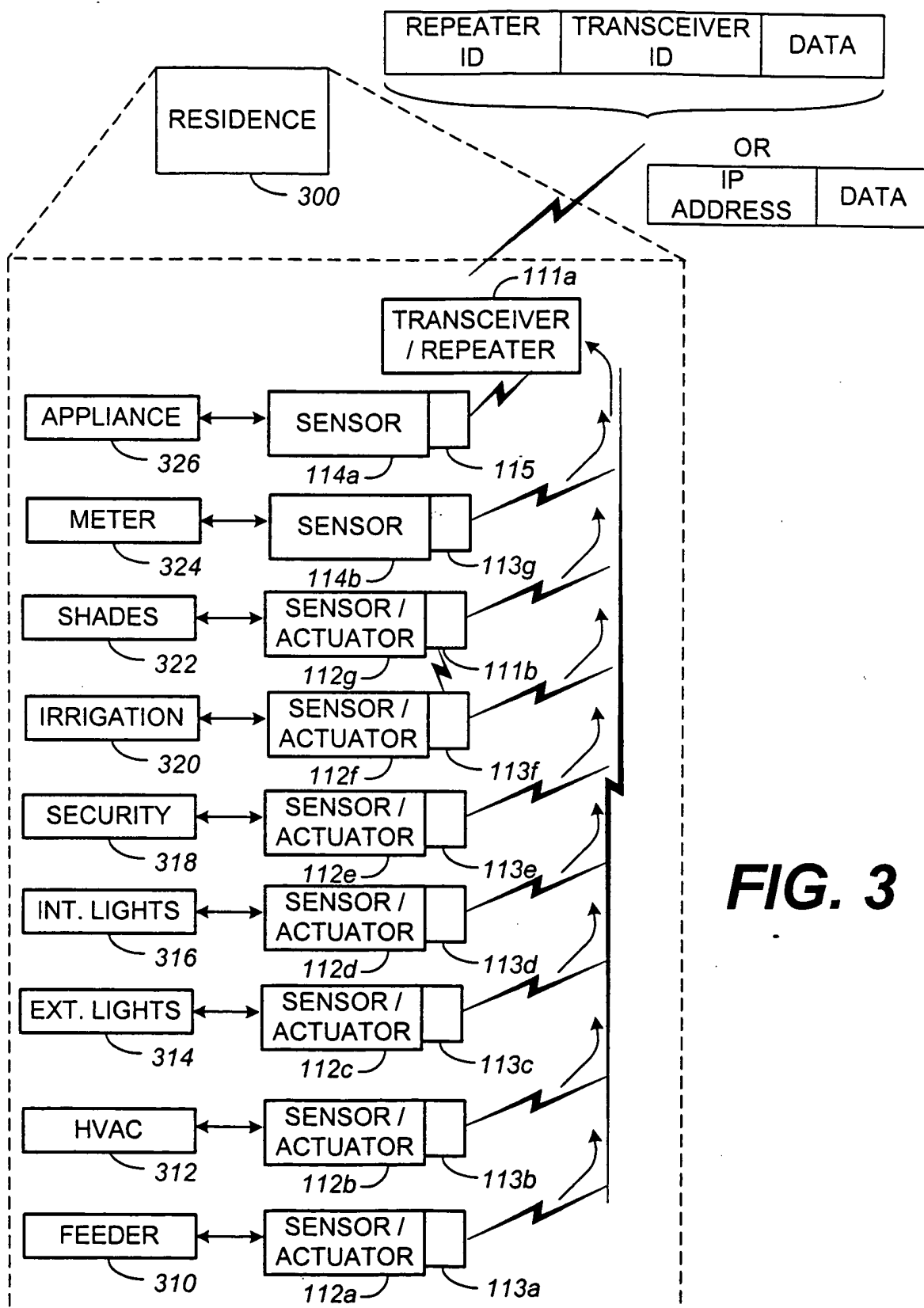


**FIG. 1**  
(PRIOR ART)

09704150-110100

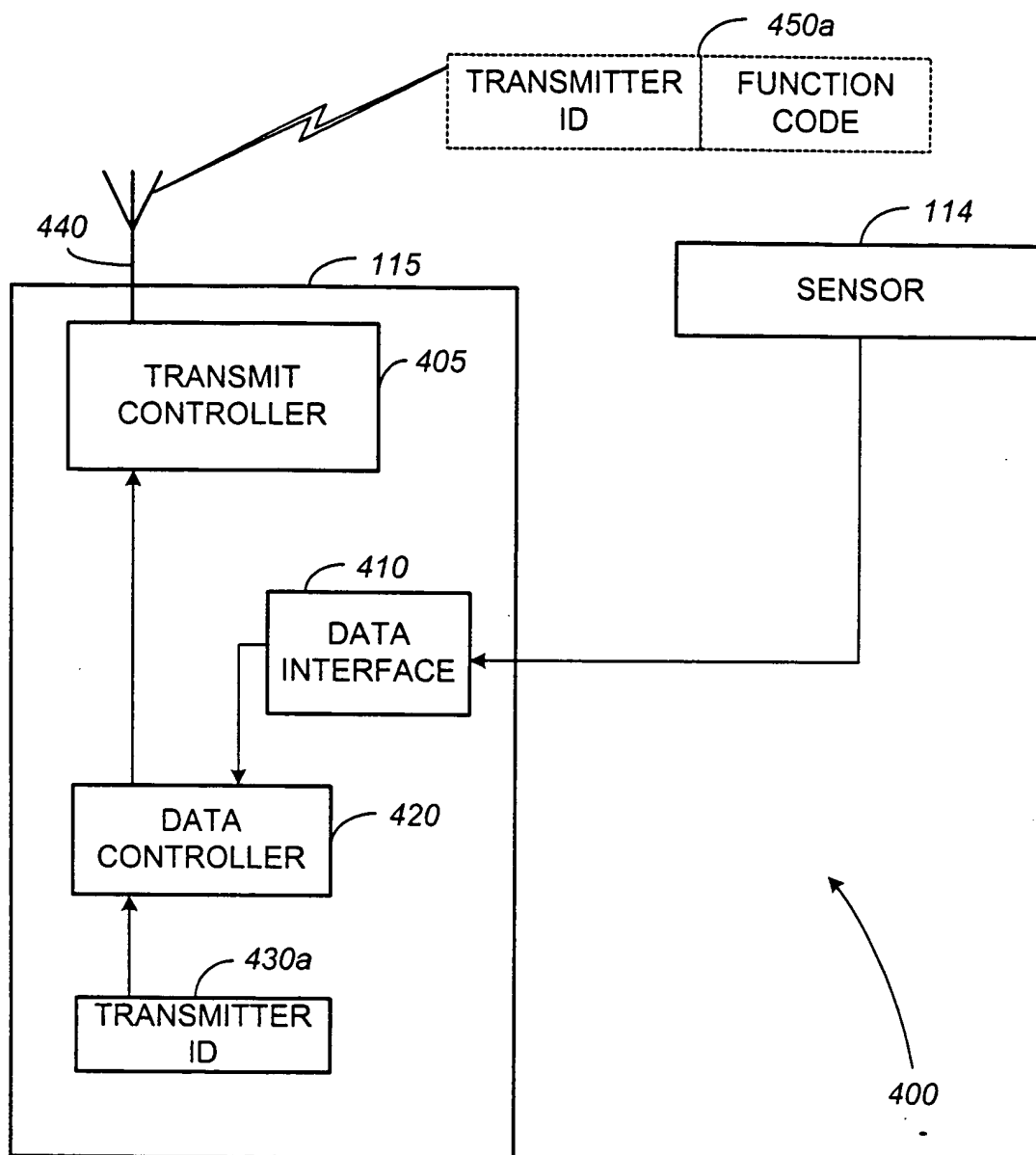


**FIG. 2**



**FIG. 3**

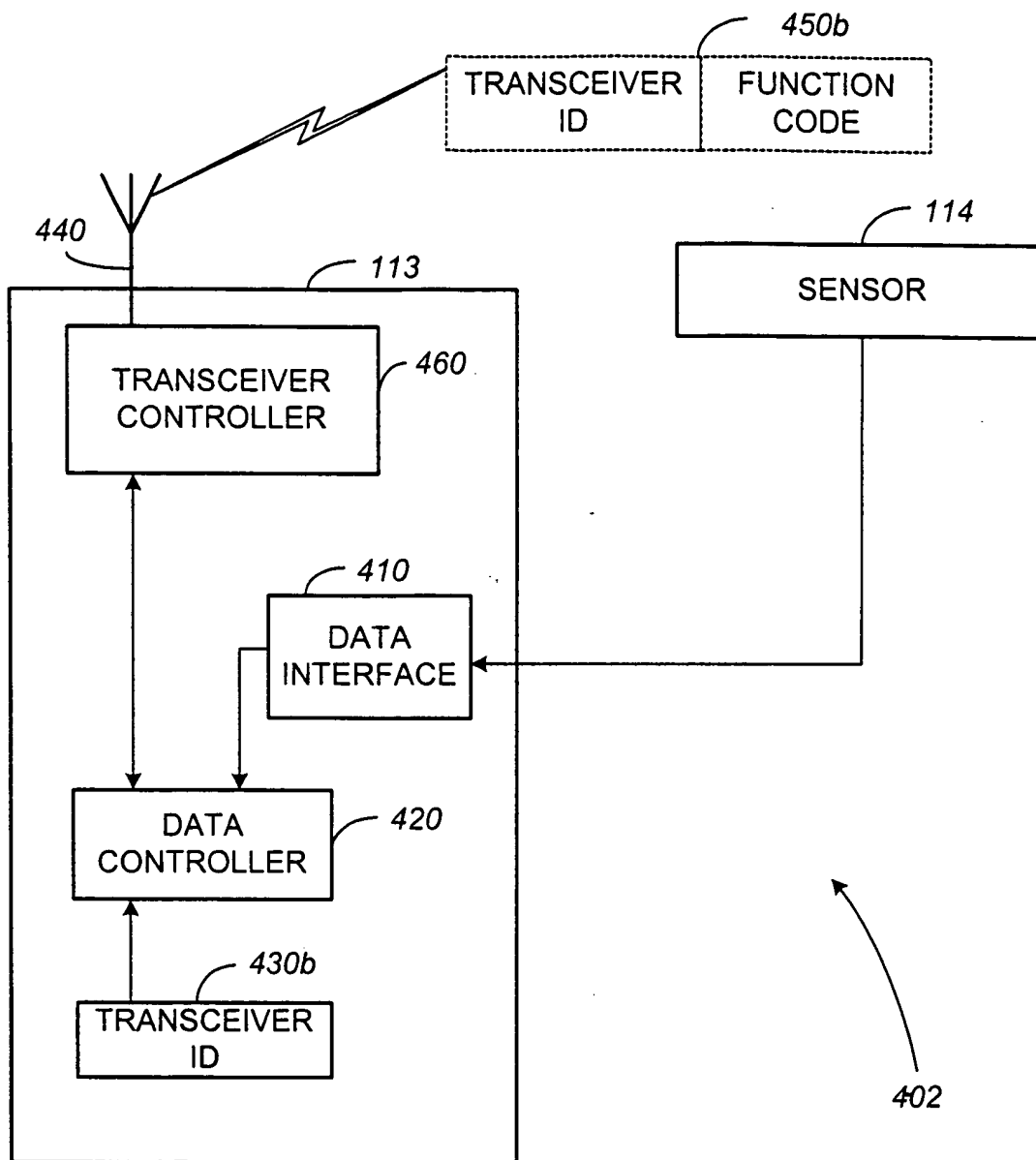
09704450-110100



RF TRANSMITTER w/ SENSOR

**FIG. 4A**

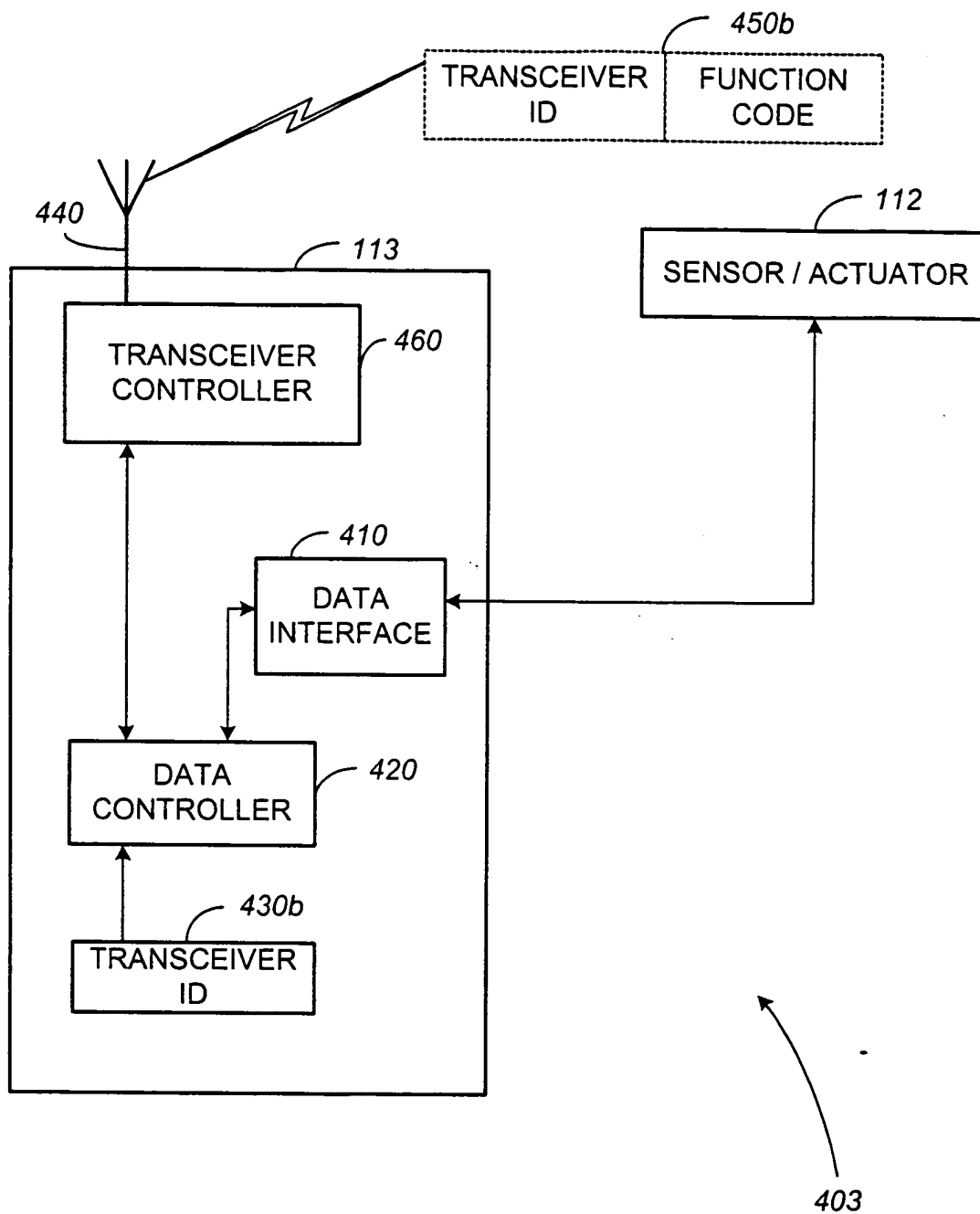
09704150-110100



RF TRANSCEIVER w/ SENSOR

**FIG. 4B**

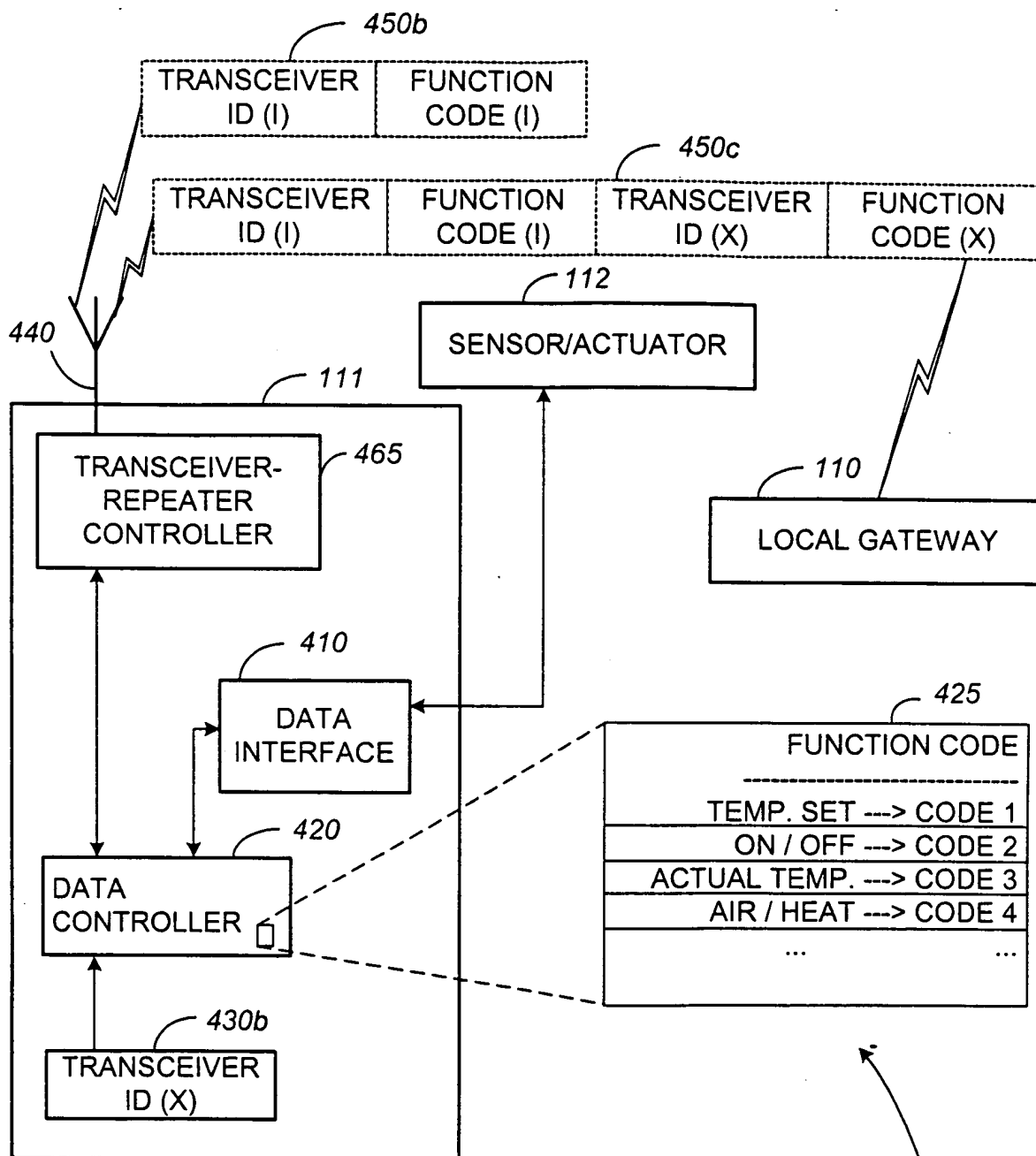
09704150-110100



RF TRANSCEIVER w/ SENSOR-  
ACTUATOR

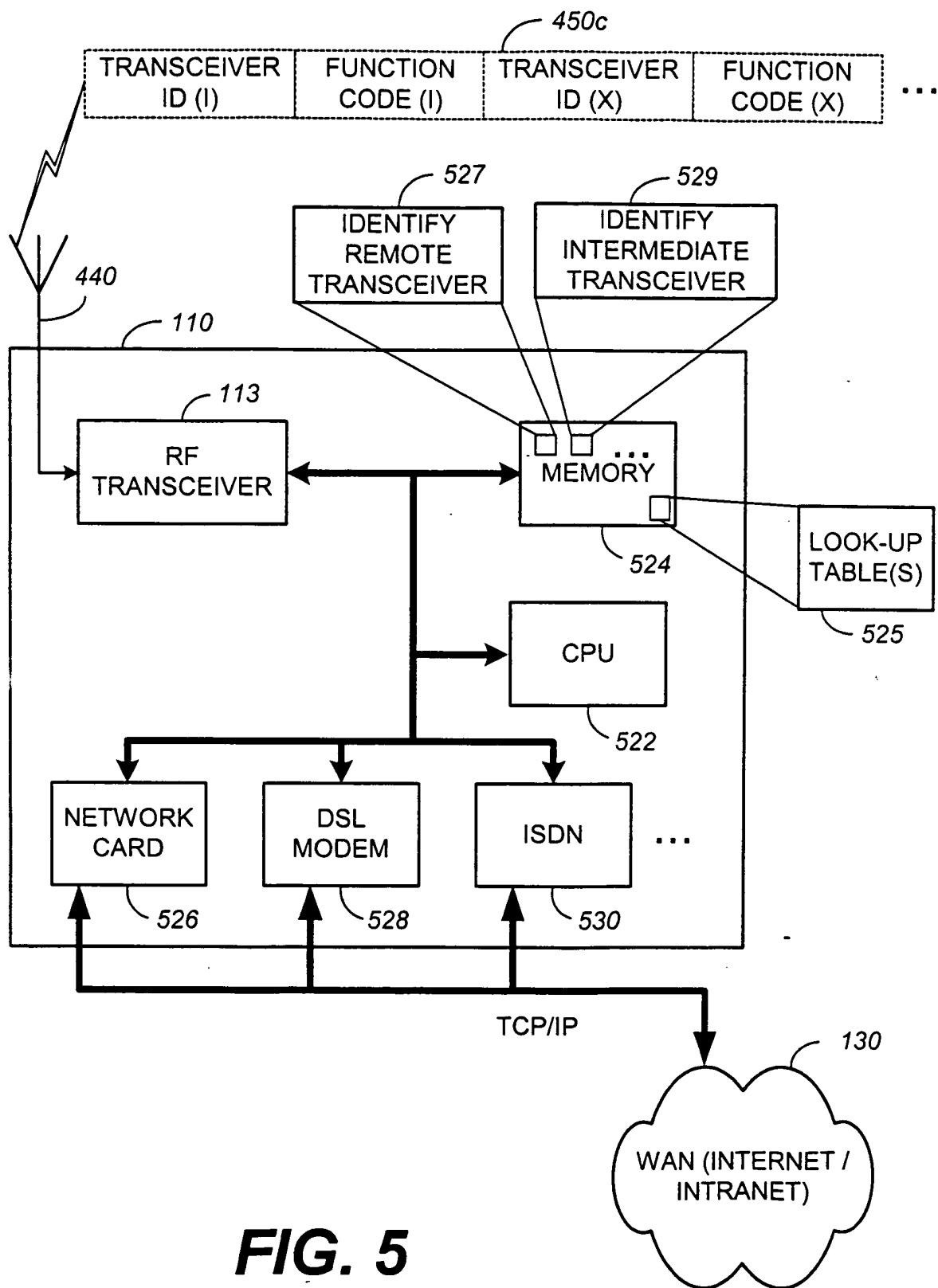
**FIG. 4C**

00704150-110100



RF TRANSCEIVER-REPEATER w/  
SENSOR-ACTUATOR

**FIG. 4D**



**FIG. 5**





## Sample Messages

Central Server to Personal Transceiver - Broadcast Message - FF (Emergency)

Byte Count = 12

|                  |                          |                  |                   |                     |              |             |             |
|------------------|--------------------------|------------------|-------------------|---------------------|--------------|-------------|-------------|
| To Addr.<br>(FF) | From Addr.<br>(12345678) | Pkt. No.<br>(00) | Pkt. Max.<br>(00) | Pkt. Lngth.<br>(0C) | Cmd.<br>(FF) | CkH<br>(02) | CkL<br>(9E) |
|------------------|--------------------------|------------------|-------------------|---------------------|--------------|-------------|-------------|

First Transceiver to Repeater (Transceiver)  
Broadcast Message - FF (Emergency)

Byte Count = 17

|                  |                          |                  |                   |                     |              |  |             |             |
|------------------|--------------------------|------------------|-------------------|---------------------|--------------|--|-------------|-------------|
| To Addr.<br>(F0) | From Addr.<br>(12345678) | Pkt. No.<br>(00) | Pkt. Max.<br>(00) | Pkt. Lngth.<br>(11) | Cmd.<br>(FF) |  | CkH<br>(03) | CkL<br>(A0) |
|------------------|--------------------------|------------------|-------------------|---------------------|--------------|--|-------------|-------------|

Data  
(A000123456)

Note: Additional Transceiver Re-Broadcasts do not change the message.  
The messages are simply received and re-broadcast.

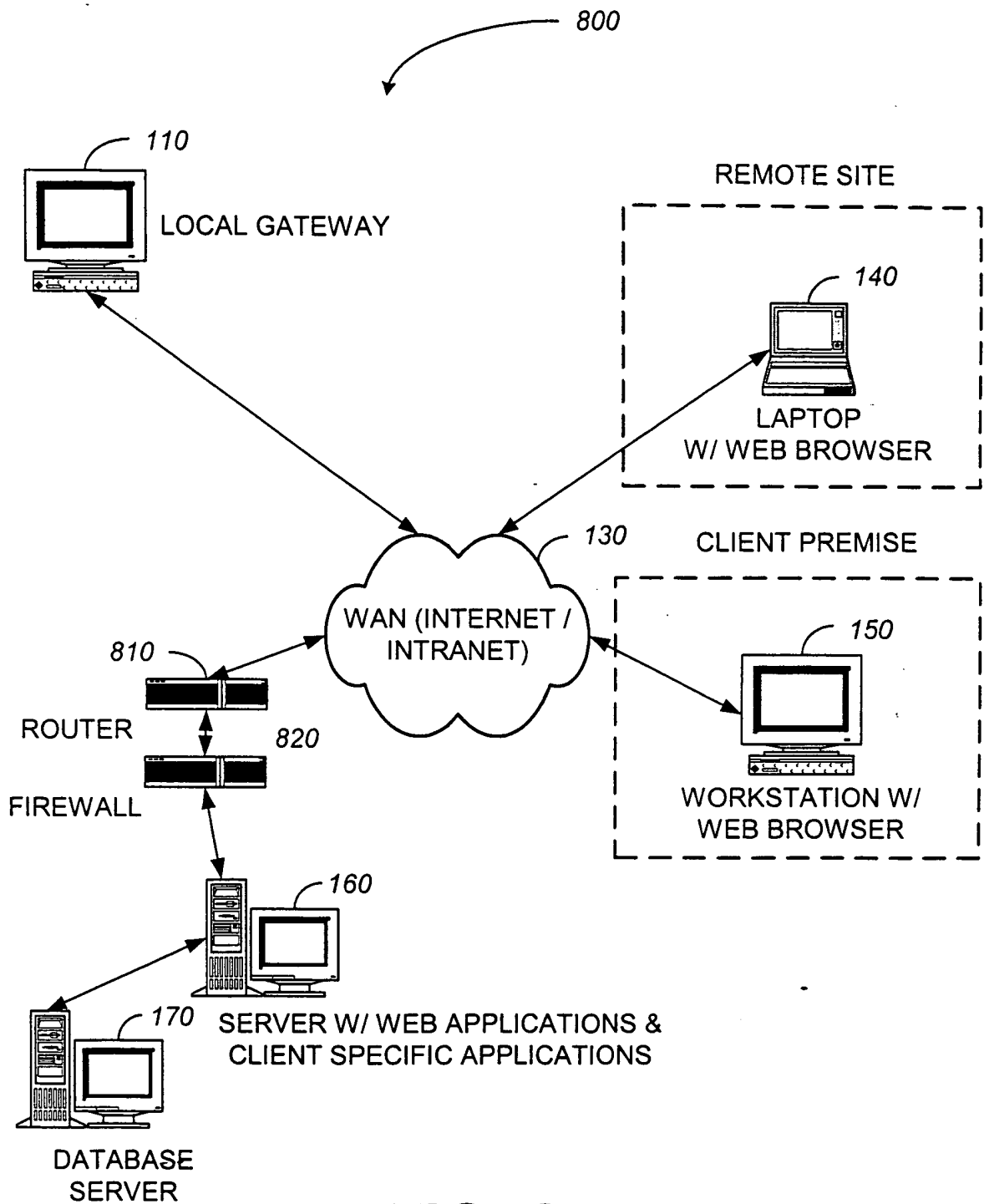
Message to Device "A0" From Device "E1" Command - "08" (Respond to PING)  
Response will reverse "To" and "From" Addresses

Byte Count = 17

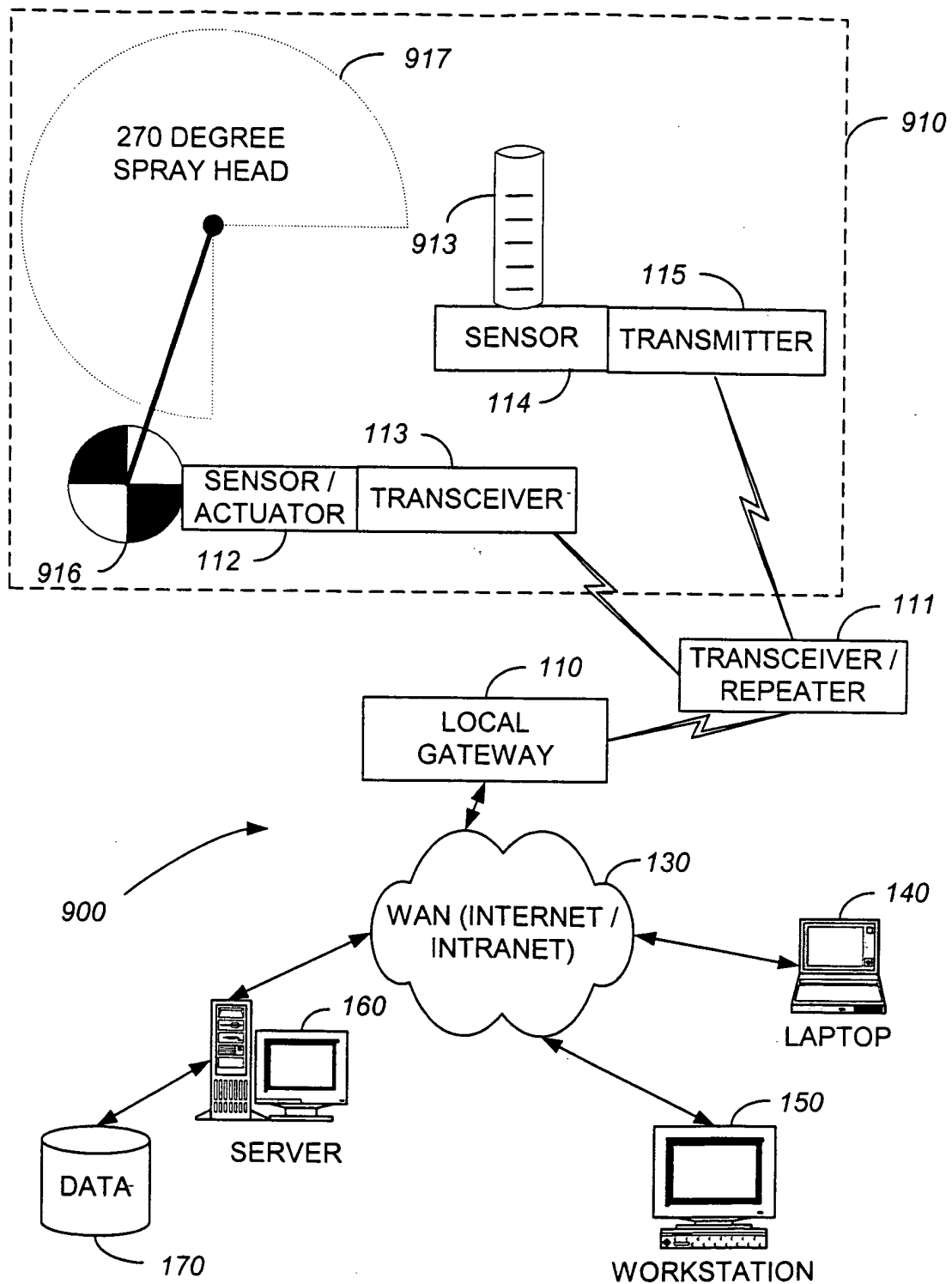
|                          |                            |             |                |                  |              |              |             |             |
|--------------------------|----------------------------|-------------|----------------|------------------|--------------|--------------|-------------|-------------|
| To Addr.<br>(A012345678) | From Addr.<br>(E112345678) | P #<br>(00) | P Max.<br>(00) | P Lngth.<br>(11) | Cmd.<br>(08) | Data<br>(A5) | CkH<br>(04) | CkL<br>(67) |
|--------------------------|----------------------------|-------------|----------------|------------------|--------------|--------------|-------------|-------------|

**FIG. 7**

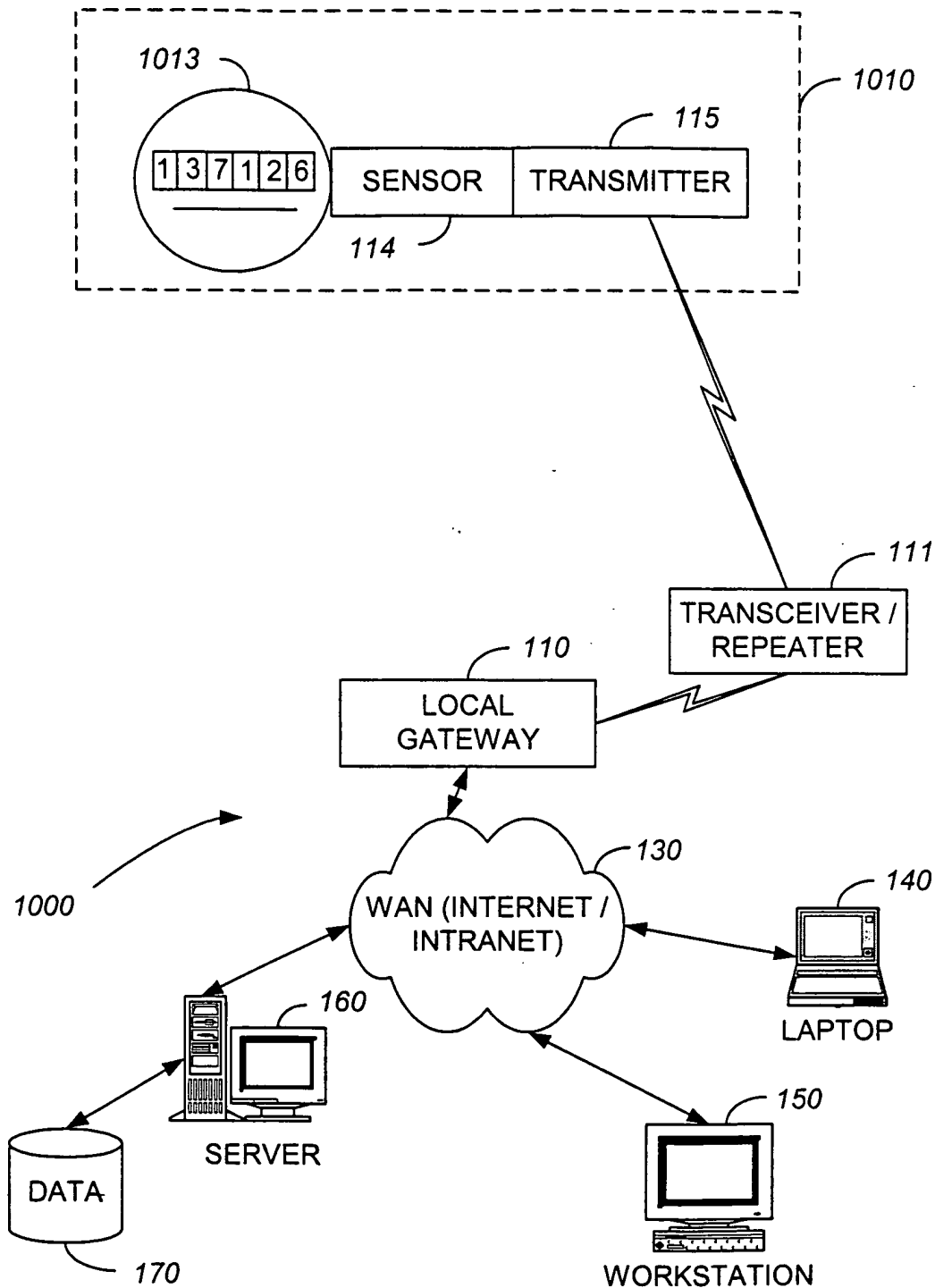
09704150-110100



**FIG. 8**

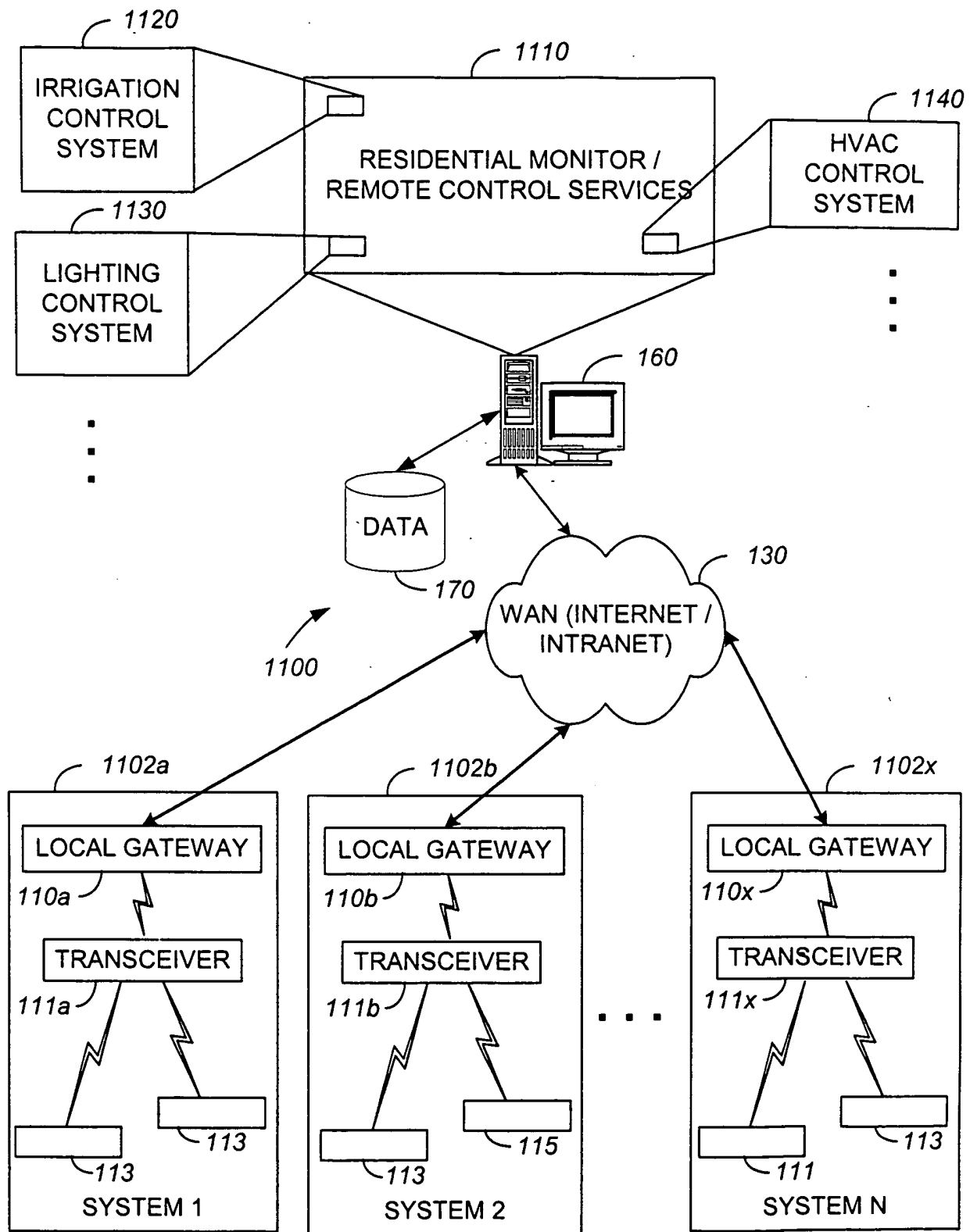


**FIG. 9**



**FIG. 10**

007077" 05F40260



**FIG. 11**

00T0T"05F0260

HOME MONITOR

X

843 GLENWOOD TRACE DR.

THERMOSTAT

MODE

AIR / AUTO

TEMP. SET

76

TEMP. ACTUAL

75

SECURITY SYSTEM

Armed

INTERIOR LIGHTING

FOYER

ON

LIVING ROOM

OFF

KITCHEN

OFF

BEDROOM #1

ON

SMOKE DETECTOR

MODE

ACTIVE

BATTERY HEALTH

GOOD

GAS USAGE

3 5 4 8 2

MONTH TO DATE

\$72.44

ELECTRICITY USAGE

0 1 1 6 2

MONTH TO DATE

\$122.44

WATER USAGE

7 7 4 1 4

MONTH TO DATE

\$18.75

FIG. 12A

0970450-110100

HOME MONITOR

X

843 GLENWOOD TRACE DR.

THERMOSTAT

MODE

TEMP. SET

TEMP. ACTUAL

AIR / AUTO

AIR / FAN

HEAT / AUTO

HEAT / FAN

OFF

SECURITY SYSTEM

Ar

INTERIOR LIGHTING

FOYER

LIVING ROOM

KITCHEN

BEDROOM #1

:

:

:

ON

OFF

OFF

ON

:

:

:

SMOKE DETECTOR

MODE

BATTERY HEALTH

ACTIVE

GOOD

GAS USAGE

3 5 4 8 2

MONTH TO DATE

\$72.44

ELECTRICITY USAGE

0 1 1 6 2

MONTH TO DATE

\$122.44

WATER USAGE

7 7 4 1 4

MONTH TO DATE

\$18.75

FIG. 12B